KHOLMSKIY, V.G., doktor tekhn. nauk; SHCHERBINA, Yu.V.; SULEYMANOV, V.N.

Accurate method for calculating the operating modes of multiple closed-loop power distribution networks with nonbalanced coupling transformers and booster transformers. Energ. i elektrotekh. prom. no.2:35-40 Ap-Je '63. (MIRA 16:7)

1. Kiyevskiy politekhnicheskiy institut.
(Electric power distribution)

VYSHFSLAVOVA, V.A.; IONOVA, T.V.; SULEYMANOVA, Z.I.; MARKOVA, L.A.; OSOKIN, L.L.; ROMANENKO, A.K.; GUSLISTAYA, Ye.G.; DASHEVSKIY, I.Ya.; BOGUSLAVSKIY, D.B.; UZINA, R.V.

Specific features in the technological process of viscose cord production at the Dnepropetrovsk tire factory. Kauch.i rez. 24 no.1:1-4 Ja '65. (MIRA 18:3)

1. Dnepropetrovskiy shinnyy zavod i Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.

SULEYMENOVA, L.K. (Al'ma-Ata)

Experimental determination of the dynamic characteristics of a boiler-turbine block using a statistical method. Avtom. i telem. 26 no.2:262-267 F '65. (MIRA 18:4)

SUL'G, P. A.

PA 20798

USSR/Radio Broadcasting
Power Supplies

Sep 1947

"Efficient Power Supply for Radio Centers," P. A. Sul'g, 5 pp

"Vestnik Svyazi, Elektro-Svyaz'" Vol VII, No 9 (90)

Since power is the life blood of a radio center the author proposes certain conservation methods. Discusses various types of apparatus (UB-5 for 5 watts, TM-9 and V-8 for 9 watts, "Rodina" and RTU-100-B for 100 watts) and their good and bad points.

20T98

SYLIN, P. A.

Power for radio broadcasting stations Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1950. 318 p. (51-32592)

TK6561.S78

SUL'G, P. A.

Energetika radiotransliatsionnykh uzlov: dvigateli, generatory, akkumuliatory i drugoe energooborudovanie. [Power of radio rebroadcasting units; motor, oscillator, accumulator and other power equipment]. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1950. 318 p. diagrs. Bibliography: p. [314].

DLC: TX6561.S78

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

SUL'G, P. A

PA 195T79

USSR/Radio - Power Supplies
Wind-Electric Units

Jul 51

"The VE-2 Wind-Electric Unit," P. Sul'g

"Radio" No 7, p 51, 52

Describes new VE-2 wind-elec unit with GPM-130 ac generator, designed to charge batteries of the KRU-2 wired radio center. The unit was designed by Engr A. T. Naber of the Estonian SSR and some improvements were made by Prof G. Kh. Sabinin of Moscow. It is now in series production at one of the Tallin plants of the Estonian Ministry of Local Ind.

195T79

SUL'G, P. I

Jul 53

USSR/Electronics - Radiofication
Wind-Electric Power

"Exploitation of Type VE-2 Wind-Electric Power Units," P. Sul'g

Radio, No 7, pp 22,23

Several thousand type VE-2 units are now being used to supply KRU-2 and KRU-10 kolkhoz wired-radio centers. In areas with average yearly wind velocity of 5m/sec, the unit operates 75% of the time and puts out 380 kw-hr. Outlines measures to be taken for more complete utilization of VE-2 units, e.g., increasing the capacity of the storage batteries used with the VE-2 from 60 to 100-120 amp-hr.

263T72

AUTHOR: Sul'g, P.A., Engineer 111-9-8/28

TITLE: Engines for Radio Stations (Dvigateli dlya radiouslov)

PERIODICAL: Vestnik Svyazi, 1957, 17 No 9, pp 10-11 (USSR)

ABSTRACT: Many rural radio relay stations have their own generators for electric power supply which are driven either by gasoline or by diesel engines. In 1957 several types of power units were introduced which were formerly not used at radio stations. At radio stations with a power of up to 100 watts the widely known power units composed of engine "Л-3/2" and generator "аПН-28,5" or "3ДН-2500" were installed. During the second half of 1957 the gasoline engines "УД-1" were installed besides the engines "Л-3/2". At radio stations with a power of 500 - 1,200 watts (equipped with "ТУ-500" or "ТУ-600" broadcasting equipment), the power units "ЖЭС-4", "ЖЭС-9", the diesel engines "1Ч-8,5/11 and "2Ч-8,5/11" with generators "аПН-28,5", "СГС-4,5" and "СГС-6,25" were used besides the "Л-6/3" engines with the generators "СГС-4,5" and the power units "1ЧА-10,5/13". During the second half of 1957 the gasoline engine "УД-2" was used instead of the "Л-6/3". At radio stations with a power of 5 - 10 kw (with one or two "ТУ-5" blocks) the diesel-powered units "ЖЭС-30", "4ЧА-10,5/13" and "2ЧА-10,5/13" will be

Card 1/3

SUTIN, F. A.

D-78 SUTIN, F. A. Energetika radiotranslyatsionnykh uzlov (Power supply of radio retransmitting stations). Moscow, Gos. izd-vo lit-ry po voprosam svyazi i radio, 1956. 320p. DLC TK5761.S76; SUNY No. 002-D.

A presentation of the essential questions of the exploitation and repair of power supply installations in radio retransmitting stations. Some recommendations for projecting these installations are also given. The book is designed for the technical staff of radio transmitting stations.

SUL'G, P.A., otv.red.; KISELEVA, G.I., red.; SHEFER, G.I., tekhn.red.

[Standard plan of electric power plants for 600-1200 watt radio rediffusion systems] Tipovoi proekt elektrostantsii dlia radiotransliatsionnykh uzlov moshchnost'iu 600-1200 BT. Moskva, Sviaz'izdat, 1959. 129 p. (MIRA 12:10)

1. Gosudarstvennyy institut po izyskaniyam i proektirovaniyu sooruzheniy svyazi "Giprosvyaz'".
(Electric power plants)

Sul'g, P.A.

8(5) PHASE I BOOK EXPLOITATION SOV/2570

Akademiya nauk SSSR. Energeticheskiy institut

Voprosy vetroenergetiki (Problems in Wind Power Engineering) Moscow, Izd-vo AN SSSR, 1959. 135 p. Errata slip inserted. 1,700 copies printed.

Ed. of Publishing House: V. N. Golovko; Tech. Ed.: I. N. Guseva; Editorial Board: Ye. M. Fateyev, Corresponding Member, VASKhNIL, Professor (Resp. Ed.), D. N. Bystritskiy, K. P. Vashkevich, A. V. Karmishin, V. N. Saktorov, V. Ye. Fedotov, M. O. Frankfurt, O. I. Sholomovich.

PURPOSE: The book is intended for power engineers, scientists, and research workers engaged in wind power engineering.

COVERAGE: These articles discuss aspects of wind power utilization. Individual papers treat the aerodynamic properties of already existing windmills, the construction of new types of windmills, wind-electric power stations, and efficient wind-electric and wind-pumping units. A theory on the control of high-speed windmills is also discussed. The TsNIIV (Central Scientific Research Laboratory for the Study of Windmills) is reported to be working on the development of a 400 kw wind - electric station in parallel operation with several stations with common buses to supply electricity to rural areas. References accompany each article.

Shefter, Ya.I. Studying the Operation of the D-18 Windmill With an Inertia Accumulator 66

Koshechkin, V.V. The Problem of Limiting Power Indexes of a Wind-Electric Unit With Hydrogen Storage of Wind Energy 82

Frankfurt, M.O. Computing the Overloading of High-Speed Wind Wheels During Wind Gusts and Squalls 90

Akayev, A.I. A Method for Determining the Power of a Wind-Electric Station in a Non-Wind Power System 106

Sabinin, G.Kh. On the New Scheme of a Wind-Electric Station With Pneumatic Power Transfer 118

Sul'g, P.A. Use of Wind-Electric Units for Providing Energy to Rural Radio Centers 128

Card 1/4

SUL'G, P.A., starshiy inzh.

Automatically controlled E-3R and E-7R diesel-generator units for wire-broadcasting stations. Vest. sviazi 22 no.4:10-12 Ap '62. (MIRA 15:4)

1. Upravleniye mestnoy telefonnoy svyazi i radiofikatsii Ministerstva svyazi SSSR.
(Wire broadcasting)
(Electric power supply to apparatus)

SUL'GIN, M.

Winch or tow plan? Kryl.rod. 12 no.7:20 Jl '61. (MIRA 14:6)
(Gl' .ng and soaring)

SULGIN, M.

Results of the infringement of discipline. Kryl.rod. 13 no.1:21 Ja '62. (MIRA 15:2)

1. Starshiy inspektor-letchik TSentral'nogo komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu SSSR.

(Gliding and soaring)

differential equations

Setzt man nach Liouville

Hamiltonsches

SH.A.M.F

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[illegible]

$$\sum \frac{\varphi}{\psi} = \text{const}$$

ein Integral dieses Systems. Im allgemeinen wird (φ, ψ) [illegible] Da jedoch [illegible]

eliminiert und ein neues Integral des Systems (*) gewonnen werden. Durch diese Verallgemeinerung des Poissonschen Satzes erhält Verfasser von einem Integral des Systems (**) (***) und einem solchen des Systems (*) ein zweites Integral des Systems (*), damit weiter ein drittes [illegible] Fällen gelingt es auf diese Weise [illegible]

2/3

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653910004-2"

SULGOSTOWSKA, Teresa (Warszawa)

Flukes in birds of the lake Goldapiwo. Wiadomosci parazyt., Warsz. 2 no.5 Suppl:199-201 1956.

1. Zaklad Parazytologii UW.
(TREMATODE INFECTIONS, epidemiology,
in aquatic birds (Pol))
(BIRDS, diseases,
Trematode infect. in aquatic birds (Pol))

SUDOSTOWSKA, Teresa

Flukes in birds of the lake Mumry. Wiadomosci parazyt., Warsz. 4 no.5-6: 691-692 1958.

1. Z Zakladu Paryzytologii Uniwersytetu Warszawskiego w Warszawie.
(TREMATODE INFECTIONS,
in aquatic birds (Pol))
(BIRDS, dis.
trematode infect. in aquatic birds (Pol))

SULGOSTOWSKA, Teresa.

Intestinal trematodes of birds of mesotrophic lakes Goldapiwo and Mamry Polnocne. Acta parasit 8 no.1/7:85-114 '60. (EEAI 9:10)

1. Department of Parasitology, Warsaw University. Head: Prof. Dr. Wincenty L.Winsiewski. Author's address: Zaklad Zoologii SGGW Warszawa, Rakowiecka 8.
(Poland--Trematoda) (Poland--Birds)

SULGOSTOWSKA, Teresa

Extra-intestinal trematodes in birds of the mesotrophic lakes: Goldapiwo and Mamry Polnocne. Acta parasit Pol 8 no.21/32:471-492 '60.

1. Zoological Department, Agricultural Academy of Warszawa. Head: Kawecki, Zbigniew, prof., dr.

SULGOSTOWSKA, Teresa

Trematodes of birds in the biocoenosis of Lake Druzno, Lake Goldapiwo, Lake Mamry North, and Lake Swiecajty. Acta parasit Pol 11 no.14/18: 238-264 '63.

1. Katedra Zoologii, Szkola Glowna Gospodarstwa Wiejskiego, Warszawa.

SULGOSTOWSKA, Teresa

Ignavia ciconiae sp.n. (Trematoda, Ignaviinae) f- = the kidney of Ciconia ciconia L. Acta parasit Pol 12 no.1/12:27-32 '64.

1. Department of Zoology, Central College of Agriculture, Warsaw. Head: Prof. Dr Zbigniew Kawecki.

BEKKAREWICZ, Borys; KAWIAK, Jerzy; SULGOSTOWSKI, Janusz.

Age factor in modification of desoxyribonucleic acids in the endocrine glands. Fol.morph., Warsz. 6 no.2:121-136 1955.

1. Z Zakladu Histologii i Embriologii A.M. w Warszawie. Kierownik: prof.dr J. Zweibaum. Warszawa 2, Chalubinskiego 5, Zaklad Histologii i Embriologii A.M.

(NUCLEIC ACIDS, metabolism,
desoxyribo, in endocrine glands, age factor in animals)
(ENDOCRINE GLANDS, metabolism,
desoxyribonucleic acid, age factor in animals)
(AGING,
age factor in endocrine glands desoxyribonucleic acid)

SULICA, H.

10 years of standardization in the wood industry. p.106.

INDUSTRIA LEMNULUI. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Rominia si Ministerul Industriei Lemnului) Bucuresti, Rumania. Vol. 8, no. 3, March 1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959

Uncl.

CAZACU, Eugen, ing.; SULICA, Horia, ing.

Increasing the range of wood industry products between 1944 and 1964. Ind lemnului 15 no.8:300-304 Ag '64.

SULICA, M., Dr.; DECANOVICI, I., dr.; KOKAY, L., dr.; RUSNMAC, V., dr.

Study of the effect of natural lighting of classrooms on vision of the students. Rev. igiena microb. epidem., Bucur. Vol.3:71-78 July-Sept 55.

1. Institutul de igiena al R. P. R., filiala Cluj, sectia igiena scolara, sanepidul regional Cluj, sectia de igiena scolara, spitalul unificat de sn copii Cluj, serviciul de oftalmologie.

(VISION
of school child., eff. of lighting of classrooms, survey of Rumanian students.

(ILLUMINATION
of classrooms, eff. on vision of child., survey of Rumanian students.

BANDURSKI, Albin; SULICKI, Tadeusz; KOCOT, Eugeniusz

Traumatic hemorrhage from the biliary tract. Pol. przegl. chir. 37 no.9:896-898 S '65.

1. Z Oddzialu Chirurgicznego Szpitala Powiatowego w Glogowie (Ordynator: lek. T. Sulicki) i z Oddzialu Chirurgicznego Szpitala Wojewodzkiego w Zielonej Gorze (Ordynator: dr. A. Bandurski).

ORLOWSKIY, S.V., kandidat tekhnicheskikh nauk; SULIDI, L.S., inzhener.

Graphic representation of coal mining operations and drawing instruments for affine transformation. [Trudy] VNIMI no.30:135-145 '56. (MLRA 9:11)

(Projection) (Mathematical instruments)

KOLBENKOV , S.P., kand. tekhn. nauk; PETUKHOV, I.A.; MITICHKINA, N.I.; SULIDI, L.S.; KOROTKOV, M.V., kand. tekhn. nauk, otvetstvennyy red.; AVERSHIN, S.G., prof., red.; SLAVOROSOV, A.Kh., red. izd-va; ALADOVA, Ye.I., tekhn. red.

[Shifting of rock and of the earth's surface in the chief coal basins of the U.S.S.R.] Sdvizhenie gornykh porod i zemnoi poverkhnosti v glavneishikh ugol'nykh basseinakh SSSR. Moskva, Ugletekhizdat, 1958. 249 p. (MIRA 11:10)

1. Leningrad. Vsesoyuznyy nauchno-issledovatel'skiy markshey-derskiy institut.
(Coal geology) (Earth movements)

KATS, Ya.G.; KRASIL'NIKOV, B.N.; MOSSAKOVSKIY, A.A.; SULIDI-KONDRAT'YEV, Ye.D.; KHERASKOV, N.N.

Paleozoic stratigraphy of the Minusinsk Lowland and its marginal mountains. Trudy VAGT no.4:99-148 '58. (MIRA 12:6)
(Minusinsk Lowland--Geology, Stratigraphic)

SOV/5-58-4-17/43

AUTHORS: Adamovich, A.E., Zonenshayn, L.P., Sulidi-Kondrat'yev, Ye.D., Uflyand, A.K.

TITLE: New Data on the Stratification of the Sandy Clay Strata of the Western Sayan (Novyye dannyye po stratigrafii peschano-slantsevykh tolshch Zapadnogo Sayana)

PERIODICAL: Byulleten' Moskovskogo obshchestva ispytateley prirody, Otdel geologicheskiy. 1958. Nr 4, p 144 (USSR)

ABSTRACT: This is a summary of a report given by the author at a meeting of the Moscow Society of Naturalists on 11 March 1958. In 1957, the authors of this article, together with O.A. Semenova, A.E. Kalis and others, tried to analyze the stratification of the sandy clay strata of the Western Sayan. They reached the conclusion that there are three different series; the lower series consists of the Syutkhol'skaya and Urskaya formations; the second series of a frequent, sometimes rhythmic alternation of green sandstones, siltstones and argillites; the third series, of the Shignetskaya formation. The names

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SOV/5-58-4-17/43

New Data on the Stratification of the Sandy Clay Strata of the Western Sayan

of the following scientists are also mentioned: G.M. Vladimirskiy, A.G. Sivov, I.K. Bazhenov, N.A. Batov, as having worked in this field.

1. Geology 2. Earth—Structural analysis 3. Sand—Geology
4. Clays—Geology

Card 2/2

SULIDI-KONDRAT'YEV, Ye.D.; SHURYGIN, A.M.

Structure of the Us graben and its margin (Western Sayan Mountains). Biul. MOIP. Otd.geol. 38 no.1:41-55 Ja-F '63. (MIRA 16:5)
(Sayan Mountains—Geology, Structural)

SULIDI-KONDRAT'YEV, Ye.D.

Geology of the northwestern ranges of Palmyra Folds (Syria). Biul. MOIP.Otd.geol.38 no.2:149-150 Mr-Ap '63. (MIRA 16:5)

(Syria-Folds (Geology))

KOZLOV, V.V. (Moskva); SULIDI-KONDRAT'YEV, Ye.D. (Moskva)

Speed of eolation in the Syrian desert. Priroda 51 [i.e. 52] no.5:114 '63. (MIRA 16:6)

(Syrian desert—Weathering)

SULIDI-KONDRAT'YEV, Ye.D. (Moskva)

Fracture folds of the Palmyrids. Priroda 52 no.2:114-115 '63.
(MIRA 16:2)
(Syria—Mountains)

KOZLOV, V.V. (Moskva); SULIDI-KONDRAT'YEV, Ye.D. (Moskva)

Karst phenomena in the eastern Mediterranean region. Priroda 52 no.9:116-117 '63. (MIRA 16:11)

SULIDI-KONDRAT'YEV, Ye.D. (Moskva); KOZLOV, V.V. (Moskva)

Extinct volcanoes of the Syrian desert. Priroda 52 no.10: 113-114 '63. (MIRA 16:12)

KOZLOV, V.V.; SULIDI-KONDRAT'YEV, Ye.D. (Moskva)

Cross bedding in coastal Mediterranean deposits. Priroda 52 no.11:119-121 '63. (MIRA 17:1)

SULIDI-KONDRAT'YEV, Ye.D. (Moskva); KOZLOV, V.V. (Moskva); TAMRAZYAN, G.P. (Baku); FRANK-KAMENETSKIY, D.A., prof. (Moskva)

Articles on geological cycles. Priroda 53 no.1:102-111 '64. (MIRA 17:2)

KOZLOV, V.V. (Moskva); SULIDI-KONDRAT'YEV, Ye.D. (Moskva)

Before the flight into the unknown; collection of papers "New discoveries about the moon." Reviewed by V. V. Kozlov, E. D. Sulidi-Kondrat'ev. (MIRA 17:4)
Priroda 53 no.4:118 '64.

ACCESSION NR: AP4040510 S/0026/64/000/006/0044/0049

AUTHOR: Kozlov, V. V.; Sulidi-Kondrat'yev, Ye. D.

TITLE: Lunar "geology"

SOURCE: Priroda, no. 6, 1964, 44-49

TOPIC TAGS: astronomy, comparative planetology, moon, lunar geology, lunar surface, lunar tectonics, lunar meteor crater, photogeology, geology

ABSTRACT: Various aspects of lunar geology are discussed. Principal emphasis is on the comparison of the hypotheses of the meteorite and volcanic origin of the craters on the lunar surface. The authors are supporters of the volcanic hypothesis and present a variety of facts in its defense. It is noted that there is a clear periodicity in the formation of lunar relief, making it possible to establish a definite sequence in the formation of craters of different age. The studies of Troitskiy are interpreted as confirmation of the volcanic hypothesis, since it has been demonstrated that the lunar interior is hot. The spectral observations of the emission of gases from the crater Alphonsus are cited as further evidence. The nature of lunar

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ACCESSION NR: AP4040510

rocks then is discussed, with references to recent Soviet studies in this field. The well-known conclusions of Troitskiy are summarized briefly: the surface is very porous, consisting of matter similar to pumice and having a low heat conductivity. Lunar matter is close to terrestrial aluminosilicate rocks. Radio observations have detected little meteoric iron in the surface layers of the moon; the brown color of the surface can be attributed to various other factors than the presence of iron. The presence of bright rays emanating from certain craters and their absence elsewhere may only be due to a change of color with time. Erosional factors undoubtedly operate on the moon; the factors responsible and their mechanisms are discussed briefly. Photographs clearly show that tectonic forces have played an exceptional role in the development of lunar relief, more so than on earth; there are important differences in the tectonic patters of the lunar seas and continents. Endogenic processes obviously were of enormous importance on the moon and fit in with the volcanic hypothesis. The matter of lunar mapping and photogeological interpretation of its surface are discussed in relation to the geochronology of the moon, but only briefly. It is noted that such work is essential for selection a site for lunar landings. The advantages to be obtained from

Card 2/3

ACCESSION NR: AP4040510

development of the science of comparative planetology are presented. It is noted that although the influence of the moon on terrestrial ocean tides has been thoroughly investigated, too little has yet been done on study of its influence on earth tides. The authors are opposed to the coining of special words to apply to lunar phenomena and favor use of the words applied to equivalent earth processes. Orig. art. has: 8 figures.

ASSOCIATION: Vsesoyuzny*y aerologicheskiy trest, Moskva (All-Union Aerological Trust)

SUBMITTED: 00 ENCL: 00

SUB CODE: AA NO REF SOV: 000 OTHER: 000

Card 3/3

PONIKAROV, V.P.; SULIDI-KONDRAT'YEV, Ye.D.; KOZLOV, V.V.; KAZ'MIN, V.G.

Tectonics of the northern part of the Arabian Platform.
Sov. geol. 7 no.1:39-48 Ja '64. (MIRA 17:6)

[illegible], V.V. [illegible]

In the Syrian Desert. [illegible] (MIRA 15:5)

YANSHIN, A.L., akademik; YAKOVLEV, Yu.Ya. (Moskva); PLOTKIN, S.Ya., kand.tekhn. nauk (Moskva); GVOZDETSKIY, N.A., prof.; NOVIK, I.B. (Moskva); SVINTSITSKIY, V.N. (Moskva); KOZLOV, V.V. (Moskva); SULIDI-KONDRAT'YEV, Ye.D. (Moskva); BELOV, S.V. (Leningrad)

Books. Priroda 54 no.7:56-57; 71; 104-111 Jl '65. (MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (for Gvozdetskiy).

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ACCESSION NR: AP5025248

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553.523.3

AUTHOR: Kozlov, V. V.; Sulidi-Kondrat'yev, Ye. D.

TITLE: Are there mineral resources on the moon?

SOURCE: Priroda, no. 9, 1965, 97-103

TOPIC TAGS: moon base, moon, lunar surface, selenology, lunar mineral exploitation, lunar mineral resource

ABSTRACT: Referring to both Soviet and non-Soviet sources, the author discusses optimistically the possible presence and eventual exploitation of mineral resources on the moon. It is considered possible, for example, that diamonds of meteoritic origin may be found on the atmosphere-free surface of the moon. Iron oxides may occur in those lunar maria that are characterized by a reddish coloration. The amount of such iron oxide present is probably not so great as to be detectable by present radioastronomical investigations. These deposits, which differ from those on the earth, may be referred to as meteoritic irons. If, as has been suggested by Kozyrev, active volcanism occurs on the moon, the volcanic products may be utilized in many ways. Fumaroles may be active that discharge carbon dioxide. Tests have shown that

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a porous volcanic surface, which may be called "lunite," will support loads of 1250 kg/cm^2, a load-carrying capacity adequate for the construction of a lunar base. It is thought that water-yielding ice may be found in the lunar polar regions. Water may also be extracted from certain rocks of both metecritic (e.g., carbonaceous chondrites) and volcanic origin. Lunar outgassings may serve as the main source for the creation of an artificial atmosphere for lunar bases. Ore containing radioactive elements may provide a power base. Oil and gas may be formed in inorganic processes. Thus, it may prove possible to find rocket fuel ingredients, elements for the creation of solar batteries, oxygen, water, and other minerals to sustain a lunar base. [DM]

ASSOCIATION: Vsesoyuznyy aerogeologicheskiy trest, Moscow (All-Union Aerogeological Trust)

SUBMITTED: 00 ENCL: 00 SUB CODE: AA

NO REF SOV: 005 OTHER: 000 ATD PRESS: 4105

Card 2/2

PONIKAROV, V.P.; SULIDI-KONDRAT'YEV, Ye.D.; RAZVALYAYEV, A.V.; KOZLOV, V.V.

Tectonics of the Syrian Desert and the history of its formation.
Sov. geol. 8 no.4:112-122 Ap '65. (MIRA 18:7)

POMIKAROV, V.P., kand.geol.-mineral.nauk (Moskva); SULIDI-KONDRAT'YEV, Ye.D., kand.geol.-mineral.nauk (Moskva)

Alpine fold area of Europe and Asia Minor. Priroda 54 no.12:121-122 D '65. (MIRA 18:12)

[illegible], N.[illegible]; [illegible]VAIKAYEV, A.V.; SUMDUI-KONDRAT'YEV, Ye.D.; [illegible], V.S.

[illegible] of Syria. Biul. MOIP. Otd. geol. 40 [illegible] 1965. (MIRA 18:8)

SULIDI-KONDRAT'YEV, Ye.D. (Moskva); KOZLOV, V.V. (Moskva); BANNIKOV, A.G., prof. (Moskva); MENYAYLOV, A.A., doktor geol.-mineral.nauk; KUROCHKIN, G.D., kand.geol.-mineral.nauk (Moskva); SLUTSKIY, M.S. (Moskva); YAKOVLEV, Yu.Ya. (Moskva); LOPASHOV, G.V., doktor biolog.nauk (Moskva)

Books. Priroda 54 no.2:58,71,103,108,123-124 F '65. (MIRA 18:10)

1. Institut morfologii zhivotnykh AN SSSR (for Lopashov).

SULIGA, V.I., insh.

Experimental investigation of certain problems of hydrodynamics of a jigging machine bed. Izv.vys.ucheb.zav.; gor.zhur. no.8: 125-133 '59. (MIRA 13:5)

1. Khar'kovskiy politekhnicheskiy institut imeni V.I.Lenina. Rekomendavana kafedroy gidravlicheskikh mashin.
(Ore dressing--Equipment and supplies)

RAFALES-LAMARKA, E.S., dots.; SULIGA, V.I., inzh.

Dynamics of water and air supply systems in plungerless jigs. Izv.vys.ucheb.zav.; gor.zhur. no.2:130-136 '59. (MIRA 13:4)

1. Khar'kovskiy politekhnicheskiy institut imeni V.I.Lenina. Rekomendovana kafedroy gidravlicheskikh mashin.
(Ore dressing--Equipment and supplies)

SULIGA, V. I., Cand Tech Sci -- (diss) "Research in the hydrodynamics of the bed of pistonless jigging machines." Khar'kov, 1960. 16 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Polytechnic Inst im V. I. Lenin, Chair of "Hydraulic Machines"); 150 copies; free; (KL, 17-60, 159)

SULIMA, V.I.

Jigging cycles and conditions for their realization. Trudy LVMI 1:73-86 '62 (MIRA 17:7)

SULIGA, V.I., kand.tekhn.nauk

Jigging cycles and conditions for their application. Ugol' 37 no.3:38-41 Mr '62. (MIRA 15:2)

1. Khar'kovskiy politekhnicheskiy institut im. V.I.Lenina.
(Coal preparation plants--Equipment and supplies)

SULIK, N.A., inzhener.

Detecting the location of circuit damages. Vest. sviazi 7 no.8: 20-21 Ag '47. (MLRA 9:1)
(Telegraph--Lines) (Telephone--Lines)

SULIK, S.

Railroads educate. p. 232.
ZELEZNICE, Prague, Vol. 4, no. 9, Sept. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6, June 1956, Uncl.

SULIK, Ye.A., inzhener.

Device for road oilers to permit oil delivery from the side. Avt. dor. 19 no.6:28 Je '56. (MLRA 9:9)

(Road machinery)

SULIKASHVILI, I. G.

"The Role of Pruning in Controlling the Growth and Fruit Bearing of Grape Clusters Damaged by Winter Frosts." Cand Agr Sci, Georgian Agricultural Inst, Tbilisi, 1953 (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

SULIKE, M.; ANTAL, A.

Studying an apparatus with a screen plate to be used for bacteriological examinations of the air. Gig. i san. 23 no.2:89 F '58. (MIRA 11:4)
(AIR--BACTERIOLOGY)

SULIKOV, M.R., dots., kand.tekhn.nauk

Analysis of the technical and economic indices of existing classification installations and selection of optimum designs. Trudy MIIT no.105:34-166 '58. (MIRA 11:9)
(Railroads--Yards)

SULIKOVSKIY, V.I.

Mathematical Reviews
Vol. 15 No. 3.
March 1954
Geometry

6-23-54
LL

Sulikovskiĭ, V. I. The theory of nets and some questions of classical differential geometry. Sto dvadcat' pyat' let neevklidovoĭ geometrii Lobačevskogo, 1826–1951 [One hundred and twenty-five years of the non-Euclidean geometry of Lobačevskiĭ, 1826–1951], pp. 201–205. Gosudarstv. Izdat. Tehn.-Teor. Lit., Moscow-Leningrad, 1952. 7.60 rubles.

This is a report on certain results concerning nets on two-dimensional manifolds with an affine or Riemannian connection, generalizing work of N. Efimov [Trudy Sem. Vektor. Tenzor. Analizu 5, 148–172 (1941); these Rev. 8, 346]. Considered are a triplet of nets A_α, $\alpha=1, 2, 3$, mutually apolar, and their connections G_α apart from the initial connection; these connections are conjugate with respect to the triplet A_α in the sense of A. P. Norden [Spaces of affine connection, Gostehizdat, Moscow-Leningrad, 1950; these Rev. 12, 441]. Here the Čebyšev vector, introduced by Ya. S. Dubnov, plays an important role. Among the cases considered are nets apolar to A_1, surfaces in projective P_3 admitting ∞^1 conjugate sets with general lines of Green, and surfaces of Voss. *D. J. Struik* (Cambridge, Mass.)

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SULIKOVSKIY, V.I.

USSR

Sulikovskii, V. I. An invariant characteristic of the metric of a spinal surface. Dokl. Akad. Nauk SSSR (N.S.) 89, [illegible] Russian.

[illegible] taken [illegible] the [illegible] and [illegible] where p_i is a properly normalized tangent

Sulikovskiy, V. I.

Sulikovskii, V. I. Tensor theoretical presentation of the method of the movable trihedron of a surface in E_3. Uč. Zap. Kazan. Univ. 115 (1955), fo. 14, 61-68. (Russian)

1-FW 2

SULIKOWSKA-CZAKIS, Maria dr; SOLONIEWICZ, Rajmund, dr inz.

Methods of dividing metals according to groups by chemical means. Pt. 2. Rudy i metale 8 no.2:68-72 F '63.

SULIKOWSKI, Jan, mgr inz.

Plastic coatings made by fluidization. Przegl elektrotechn 40 no.1:56-57 Ja'64.

1. Katedra Czesci Maszyn i Przyrzadow Elektrycznych, Pracownia Technoklimatyczna, Politechnika, Gdansk.

SULIKOWSKI, Jerzy

Chemical Abst.
Vol. 48 No. 3
Feb. 10, 1954
Cement, Concrete, and Other
Building Materials

1

Wet process without water (for grinding and mixing of raw materials for cement). Jerzy Sulikowski. *Cement-Wapno-Gips* 9(18), 97-8(1953).—S. discusses heat economy and equipment for grinding of raw materials in presence of kerosine instead of water. F. J. Hendel

SULIKOWSKI, J.

Influence of components of portland clinker on the physical properties of mortars and concrete. Jerzy Sulikowski. *Cement-Wapno-Gips* 9(18), 205-25(1953).—Clinkers from 6 different sources in Poland have following compns.: $3CaO.SiO_2$ (I) 51-63.5, $2CaO.SiO_2$ (II) 12.4-32.2, $3CaO.Al_2O_3$ (III) 7.1-14.4, and $4CaO.Al_2O_3.Fe_2O_3$ (IV) 6.2-11.8. When I is high and II is low cements set faster. I and III have hydration heat several times higher than II and IV; hence rapidly setting cements produce high hydration heat. The higher is III the greater is shrinkage. Influence of I and II on shrinkage was not conclusive. Resistance against corrosive waters increases with II and IV; the same resistance increases when clinker is rapidly cooled thus cont. more "glass." Special cements are also discussed. F. J. H.

SULIKOWSKI, J.

Influence of the structure of limestone of the process of sintering of Portland clinker.

P. 33 (BUDOWNICTWO PRZEMYSŁOWE) Poland, Vol. 6, No. 1, 1956

SO: Monthly Index of East European Accessions (AEEI) Vol. 6, No. 11, November 1957

SULIKOWSKI, JERZY

H-13d

POLAND/Chemical Technology, Chemical Products and Their Application, Part 2. - Ceramics, Glass, Binders, Concretes. - Binders, Concretes and Other Silicate Building Materials.

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 33328.

Author : Jerzy Sulikowski.
Inst : Not given.
Title : Influence of Limestone Structure on Sintering Process of Portland Cement Clinker.

Orig Pub: Cement. Wapno. Gips, 1957, 13, No 6, 117-123.

Abstract: Experimental mixtures of limestone and low-basic clinker, in which all lime was bound in the form of C_2S (sic!), were prepared and burnt with a view to study the influence of the limestone structure on the sintering of clinker. Samples of mixtures with KH = 1 were burnt in t

Card : 1/3

H-13d

POLAND/Chemical Technology, Chemical Products and Their Application, Part 2. - Ceramics, Glass, Binders, Concretes. - Binders, Concretes and Other Silicate Building Materials.

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 33328.

the laboratory furnace at the temperature of 1300°. The degree of burning was determined by the presence of free CaO in the produced clinker. The amount of free CaO varied depending on the limestone. These variations cannot be explained only by the dimensions and shape of crystals, which produce the structure of limestone. They depend on the sum of the individual crystal properties determining the physicochemical properties of the forming calcium oxide, first of all the structure of its surface and the condensation degree of particles of free CaO. It is assumed based on the obtained data that CaO

Card : 2/3

6

POLAND/Chemical Technology, Chemical Products and Their Application, Part 2. - Ceramics, Glass, Binders,

H-13d

POLAND / Chemical Technology. Chemical Products and Their Application. Ceramics. Glass. Binding Materials. Concrete H-13

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 9117

Author : Sulikowski, J., Ziarno-Czamarska, D.

Inst : Not given

Title : Phenomenon of False Cement Setting and Its Effect on Electroconductivity of Cement Solution

Orig Pub: Cement. Wapno. Gips, 1958, 14, No 4, 73-79

Abstract: A brief review of the problem of false setting (FS) of cement and its causes. The chief cause of FS is the dehydration of $CaSO_4 \cdot 2H_2O$ in the mill when the clinkers are ground. Various methods of studying FS of cement are described (Italian, Dutch,

Card 1/2

SULIKOWSKI, Jerzy; TORCZYNSKI, Kazimierz

The influence of false setting on bleeding of cement mortar. Ceramika 32 no.4:63-73 '61.

1. Katedra Technologii Materialow Wiazacych Akademii Gorniczo Hutniczej, Krakow.

SULIKOWSKI, Jerzy; CZAMARSKA, Danuta; HAN CEL-JU

The influence of false steeing on the initial shrinkage of cement paste. Ceramika 32 no.4:73-79 '61.

1. Katedra Technologii Materialow Wiazacych Akademii Gorniczo-Hutniczej, Krakow.

P/046/62/007/011/005/005
D256/D308

AUTHORS: Semkowicz, Andrzej, Sulikowski, Jerzy, Szot, Waldemar and Zakrzewski, Jerzy

TITLE: Cyclotron deflector voltage stabilizer

PERIODICAL: Nukleonika, v. 7, no. 11, 1962, 741-742

TEXT: The original control system of the deflector voltage of the 120 cm Cracow cyclotron has been found unsatisfactory: as the system relied upon a variac transformer in the power supply of the rectifier, the voltage stability was inadequate and there was no means of smooth regulation of the voltage. An additional electronic stabilizer was installed producing 0.3% stability on the deflector plate at 10% fluctuations of the power supply. The circuit consists of: 1) a Tesla NF9F regulator tube; 2) a comparator circuit in which a voltage obtained from a potential divider and proportional to the deflector voltage is compared with a reference voltage; 3) a two stage d.c amplifier. The difference between the voltage derived from the potential divider and the reference voltage is amplified

Card 1/2

SULIMIRSKI, S., CZARNI, J.

Remarks concerning the paper written by H. Gonstol "The Shape and Size of Numbers and Signs on the Dials of Measuring Instruments." p. 54.

TECHNIKA LOTNICZA. (Zwiazek Polskich Inzynierow i Technikow Lotniczych) Warszawa, Poland. Vol. 14, No. 2, Mar./Apr. 1959.

Monthly List of East European accession (EEAI), LC. Vol. 8, No. 9 September, 1959. Uncl.

P/033/61/013/001/005/009
D242/D301

24.4200 1327, 1109, 1191 also 2607

AUTHORS: Szmelter, J., Sulikowski, T. and Lipiński, J. (Łódź)

TITLE: Bending of a rectangular plate clamped at one edge

PERIODICAL: Archiwum mechaniki stosowanej, v. 13, no. 1, 1961 63-75

TEXT: The paper shows the computation and tabulation of the systems of orthogonal functions for solving the particular case of a plate clamped at one edge. This was done because in the special case the orthogonal functions are not as simple as those for simple bending. A plate is considered clamped (as shown in Fig. 1) at the edge $x = 0$, and is loaded by forces perpendicular to the plane xy. From energy considerations the displacement functions $w_i(x,y)$ have the form of polynomials

$$w_i(x,y) = \sum_{n,m} A_{i,nm}(x/b)^n(y/a)^m \qquad (3.1)$$

The coefficients $A_{i,nm}$ should be determined such that the boundary conditions and orthogonality conditions are satisfied. It follows

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that $n = 2,3,4....$, $m = 0,1,2...$ The authors have calculated the values of the first 30 polynomials for the ratios $b/a = 1$ and $b/a = 0.316$. In an example on a uniformly loaded plate described later, it is stated that the results obtained by using 8 polynomials differ from those using 30, by only 1.5%. As examples, the case of (a) a uniformly loaded plate, and (b) a plate loaded by a force concentrated at the corner are given: (a) The work of the force on the displacement is

$$L_i = \begin{cases} 0 & \text{when } i \text{ is odd,} \\ 2qab \sum_{nm} A_{i,nm}/(n+1)(m+1) & \text{when } i \text{ is even.} \end{cases}$$

where q is the uniformly distributed load. The displacement w is given by

$$w(x,y) = (b^3/2Da) \sum_{i=0}^{\infty} L_i w_i(x,y) \qquad (2.12)$$

The displacements are given in Table 5 for a plate with ratio of dimensions $b/a = 1$. (b) $L_i = P_w(b,a)$, and w_i is found as above in (a). The displacements are given in Table 6 for the case $b/a = 1$.

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P/033/61/013/001/005/009
D242/D301

Bending of a rectangular plate...

30 polynomials are used. (Table 6). A simple experiment gave values which agree with those tabulated (Ref. 5: A. Mitzel i K. Nowak, Płyta wspornikowa obciążona siła skupiona, Księga Jubileuszowa Prof. Witolda Wierzbickiego, Warszawa 1959). A great influence of the mode of clamping the edge on the results of the experiments was observed. There are 6 tables, 3 figures and 5 references: 3 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English-language publication reads as follows: S. Timoshenko, Theory of Plates and Shells, New York - London, 1940.

ASSOCIATION: Technical University of Łódź

SUBMITTED: May 10, 1960

Card 3/6

23522
P/033/61/013/001/005/009
D242/D301

Bending of a rectangular plate...

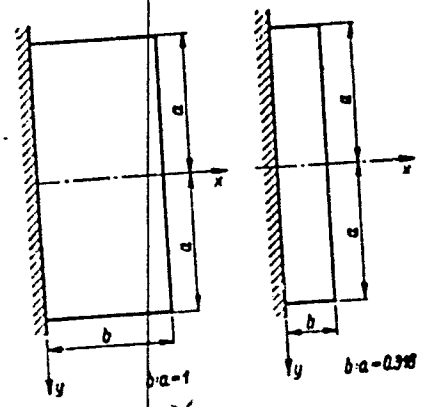

Fig. 1

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Bending of a rectangular plate... P/033/61/013/001/005/009
D242/D301

	$x/b = 0.0$	0.2	0.4	0.6	0.8	1.0
$y/a = 0.0$	$(10^4 D/qb^4)w = 0$	180	620	1209	1869	2547
0.2	0	180	620	1209	1868	2546
0.4	0	180	620	1207	1863	2539
0.6	0	177	615	1199	1851	2526
0.8	0	170	598	1179	1830	2503
1.0	0	152	560	1137	1798	2473

Table 5

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ACC NR: AP7008926 SOURCE CODE: UR/0026/66/000/012/0099/0099

AUTHOR: Sulikozov, V. Ye. (Moscow)
ORG: none
TITLE: Into the depths of the earth
SOURCE: Priroda, no. 12, 1966, 99
TOPIC TAGS: tectonics, upper mantle
SUB CODE: 08
ABSTRACT:

One of the last works of Academician D. I. Shcherbakov was preparation of a collection of articles on superdeep drilling. It was written by V. V. Belousov, Yu. M. Sheynman, G. V. Udintsev and other Soviet geologists engaged in developing the theory of the earth's internal structure. V. V. Belousov, Corresponding Member of the Academy of Sciences, discusses the principal problems in study of the earth's interior. He describes a complex of investigations which makes possible a considerable widening of our ideas on the deep processes occurring in the subcrustal layers to a depth of 100 km, which the author feels is the base of surface tectonic processes. An article by Doctor of Geological-Mineralogical Sciences Yu. M. Sheynmann considers the problem of integrated study of the deep layers. He gives preference to geophysics and experimental investigations in which experimental techniques can be used in determining the composition and physicochemical processes occurring at great depths. An article by G. B. Udintsev and V. M. Cherryshev deals with recent attainments in Soviet investigations of tectonic zones of the

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ACC NR: AP7008926

Indian Ocean. Samples of rocks of ultrabasic composition have been collected in the rifts of the mid-oceanic ridges and the authors believe that these can be identified with the rocks of the top of the upper mantle. The articles in this book analyze the geological and technical conditions for the drilling of superdeep wells and tells of the relationship between superdeep drilling and the development of the petroleum and gas industry. Orig. art. has: 1 figure. [JPRS: 39,718]

Card 2/2

SULIM, A.

AID - P-48

Subject : USSR/Aeronautics

Card : 1/1

Authors : Plakhottya, A., Col., and Sulim, A., Major Engineer

Title : Preparation and Operation of Aerodromes in Spring

Periodical : Vest. vozd. flota 3, 62 -68, March 1954

Abstract : The author describes the preparation and operation of aerodromes in spring from the time the snow starts to melt. He is concerned with runways, taxiways, and parking areas. Aerodromes with concrete runways, metallic runways, and sodded runways are described separately.

Institution : None

Submitted : No date

SULIM, A.V.

Formulas for interdependence between setting dimensions of negative lenses and their thickness. Opt.-mekh.prom. 25 no.1:52 Ja '58. (MIRA 11:7)

(Lenses)

SULIM, Andrey Vasil'yevich. Prinimali uchastiye: SARKISOV, V.S.; KAPLAN, R.B.; TARABORIN, N., nauchnyy red.; MOKRETSOV, A., red.; BONDAROVSKAYA, G., red.

[Manufacture of optical parts] Proizvodstvo opticheskikh detalei. Moskva, Vysshaia shkola, 1964. 310 p. (MIRA 18:2)

BYKHOVETS, A.U., doktor sel'khoz. nauk; SHCHERBINA, P.P., kand. sel'khoz. nauk; DEMCHENKO, N.O., st. nauchn. sotr.; SULIM, K.I., aspirant; KUZ'MINA, M.F., red.; NEMCHENKO, T.Yu., tekhn. red.

[Care and maintenance of young fowl] Dohliad ta utrymannia molodniaka ptytsi. Kyiv, Derzhsil'hospvydav URSR, 1963. 86 p. (MIRA 17:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut ptitsevodstva (for all except Kuz'mina, Nemchenko).

SULIM, M. K., Engineer

"Digital Differential Analyzer" a paper presented at the Conference on Methods of Development of Soviet Mathematical Machine-Building and Instrument-Building, 12-17 March 1956.

Translation N.o. 596, 8 Oct 56

SULIM, M. K. and LEBEDEV, Sergey Alekseyevich,

"A New Computing Machine,"

report submitted, but not presented at the Intl. Conference on Information Processing, Paris, 15-20 Jun 59.

B-3,135,065, 24 Jul 59

LOZINSKIY, A.M.; PODOBED, V.V.; SMIRNOVA, A.N.; SULIM, V.A.

Cameras for photographing satellites. Astron. tsir. no.191:3-5 My '58. (MIRA 11:9)
(Artificial satellites) (Astronomical photography)

SULIMA, A.F., inzh.

Using plastering mortars in waterproofing. Nov. tekh. mont. i spets. rab. v stroi. 21 no.2:21-22 F '59. (MIRA 12:1)

1.Trest Yasinovstroy. (Mortar) (Waterproofing)

SULEYA, A. G.

"Elimination of Smartweed Contamination During Crop Rotation in the Southern Rayons of Kersonskaya Oblast." Cand Agr Sci, Khar'kov Order of Labor Red Banner Agricultural Inst imeni V. V. Dokuchayev, Min Higher Education USSR, Khar'kov, 1955. (KL, No 15, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

N

USSR / Weeds and Weed Control.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58812

Author : Sulima, A. G.

Inst : Ukrainian Scient.-Research Institute of Irrigated Agriculture

Title : Smartweed Control

Orig Pub : Byul. nauchno-tekhn. inform. Ukr. n.-i. in-t oroshaemogo zemled., 1957, No 3, 35-38

Abstract : The best method of main cultivation of the black fallow for the destruction of the smartweed and for the purpose of increasing the yield of winter wheat is shallow plowing, August plowing and October cultivation, according to the results of experiments carried out at the Genichesk experiment-meliorative station (Ukrainian SSR). Fallow cultivation immediately after the appearance of the root shoots of smartweed is of

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USSR / Weeds and Weed Control.

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Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58812

the greatest importance, according to the data collected over a period of 3 years. It leaves no more than 0-8 plants of weed per m^2, instead of 28-34, if cultivation is delayed until the 10th day after the appearance of the shoots. Spraying the focuses of the smartweed on the fallow with butyl ethers 2.4-D and 2M-4X over a period of 3 years diminished the incidence of clogging from 80-100 to 0.6-1.6 plants per $1m^2$. Herbicides effectively combatted the weeds on crops of winter wheat in the tillering phase, as well as on barley and millet. This was also true to a lesser degree in the case of corn until its plants shaded the soil. -- N. N. Sokolov

Card 2/2

MAKODZEBA, I.A., kand. sel'skokhoz. nauk; MORDOVETS, A.A.; SULIMA, A.G., kand. sel'skokhoz. nauk

Hoary cress and its control. Zemledelie 26 no.12:42-43 D '64. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kukuruzy (for Makodzeba). 2. Genicheskaya opytnaya stantsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta kukuruzy (for Mordovets, Sulima).

KISHKIN, S.T.; SULIMA, A.M.; STROGANOV, V.P.; MALYSHEV, M.V., redaktor; BELITSKAYA, A.M.; izdatel'skiy redaktor; LEBEDEVA, L.A., tekhn. redaktor.

[Investigating the effect of cold working on the mechanical properties and the structure of EI437A alloy] Issledovanie vlivaniia naklepa na mekhanicheskie svoistva i strukturu splava EI437A. Moskva, Gos.izd-vo oboronnoi promyshlennosti, 1956. 85 p. (Moscow Aviatsionnyi institut. Trudy, no.71) (MLRA 9:12)

(Nickel-chromium alloys--Cold working)
(Heat resistant alloys--Cold working)